Appl. No. 10/087,713
Response to 07/28/2005 Office Action

Amendments to the Claims:

Please cancel claims 73 - 85 without prejudice. Please make the amendments shown below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.　(currently amended) A method for conducting mobile communications, comprising:

providing a communication server for a plurality of users, the server having

an electronic attendant that greets users;

an interface to a telecommunications network for speech communication; and

an interface to a computer network, the server coupled;

coupling the communication server to a corporate information system (CIS), the CIS including

storage for corporate information including emails and

servers including an email server via the computer network in an organization via a first network;

providing a plurality of speech terminals for a plurality of users, the speech terminals coupled to the communication server through at least one of the public telecommunications network or the private telecommunications network a second network, and the speech terminals accessing; and

providing access to data in the CIS through voice or digital signals received in the communication server from the speech terminals;

distributing calls to the speech terminals using an using the electronic attendant coupled to the server through the first network;

asking outside users to record voicemail messages if the party being called is not reached;

recording the voicemail messages in the communication server;

2722560_2.DOC   Page 2 of 20

transferring and storing all the recorded messages from the communication server to the CIS; and

caching information from the CIS on the communication server, whereby the communication server does not rely on user information databases of its own.

~~wherein the electronic attendant comprises a public attendant or a corporate attendant.~~

2.   (original) The method of claim 1 wherein the voice signals are recognized through speech recognition technology.

3.   (original) The method of claim 1 wherein the server is a modular appliance.

4.   (currently amended) The method of claim 1 wherein the telecommunications ~~second~~ network comprises a public communications network and/or a private communications network.

5.   (original) The method of claim 4 further comprising distributing incoming calls from the public communications network to the private communications network.

6.   (original) The method of claim 4 further comprising distributing outgoing calls from the private communications network to the public communications network.

7.   (original) The method of claim 4 further comprising distributing incoming and outgoing calls to the private communications network.

8.   (original) The method of claim 4 further comprising distributing incoming and outgoing calls to the public communications network.

9.   (original) The method of claim 1 wherein the electronic attendant is comprised of a public attendant and a corporate attendant.

10.   (original) The method of claim 9 wherein the public attendant distributes calls from speech terminals external to the organization.

11.   (original) The method of claim 9 wherein the corporate attendant distributes calls from speech terminals internal to the organization.

12.   (original) The method of claim 1 wherein the speech terminals are attended devices.

13.   (original) The method of claim 1 wherein the speech terminals are unattended devices.

14.   (original) The method of claim 1 further comprising accessing one or more parties through a speech terminal using the e-mail address, phone number, or any other form of identification for the one or more parties stored in the CIS.

15.   (original) The method of claim 1 wherein user authentication is required to access data in the CIS.

16.   (original) The method of claim 15 wherein the authentication comprises entering a code into a speech terminal.

17.   (original) The method of claim 15 wherein the authentication comprises a matching voice characteristic.

18.   (original) The method of claim 1 further comprising dynamically associating a user with a speech terminal using data stored in the CIS.

19.   (original) The method of claim 18 further comprising storing the association between the user and the speech terminal as a user profile, the CIS accessing the user profile every time the user logs on to the mobile communication system using the speech terminal.

20.   (original) The method of claim 1 further comprising updating the data in the CIS using a speech terminal by a user or other users registered in the CIS.

21.   (original) The method of claim 1 wherein the data includes contact information.

22.   (original) The method of claim 1 wherein the data includes e-mail messages.

23.   (original) The method of claim 1 wherein the data includes address information.

24.   (original) The method of claim 1 wherein the data includes calendar and task lists.

25.   (original) The method of claim 1 wherein the data includes directory lists.

26.   (original) The method of claim 1 wherein the data includes sales force automation information.

27.   (original) The method of claim 1 wherein the data includes field force automation.

28.   (original) The method of claim 1 wherein the data includes information related to an organization's employees.

29.   (original) The method of claim 28 wherein the data includes information from data repositories internal to the organization.

30.   (original) The method of claim 28 wherein the data includes information from data repositories external to the organization.

31.   (original) The method of claim 1 wherein the data includes information from databases and web sites on the Internet.

32.   (original) The method of claim 1 further comprising commanding the server to perform tasks using a speech terminal.

33.   (original) The method of claim 32 wherein the tasks include sending and receiving messages.

34.   (original) The method of claim 33 wherein the messages are e-mail messages.

35.   (original) The method of claim 32 wherein the tasks include forwarding calls.

36.   (previously presented) The method of claim 32 wherein the tasks include conferencing with other parties using the speech terminals.

37.   (original) The method of claim 1 further comprising providing a set of responses to a speech terminal, the set of responses dynamically changing depending on the speech terminal.

38.   (original) The method of claim 37 wherein the set of the responses to the speech terminal includes a recorded message.

39.   (original) The method of claim 37 wherein the set of responses to the speech terminal is an on-the-fly translation of responses into sounds using text-to-speech technology.

40.   (original) The method of claim 1 wherein the speech terminals includes multi-modal interfaces.

41.   (original) The method of claim 40 wherein a user can input information to the server through the multi-modal interfaces using text, keystrokes, and speech recognition.

42.   (original) The method of claim 40 wherein the multi-modal interfaces present information to the server using a combination of sound, text, graphics, and video.

43.   (original) The method of claim 42 wherein the sound is generated by text-to-speech technology.

44.   (original) The method of claim 42 wherein the sound is generated by playing recorded files.

45.   (original) The method of claim 42 wherein the sound is generated by a continuous stream of sound data sent to the multi-modal interfaces.

46.   (original) The method of claim 42 wherein the video is generated by a continuous stream of video data sent to the multi-modal interfaces.

47.   (original) The method of claim 1 wherein the speech terminals include telephones.

48.   (original) The method of claim 1 wherein the speech terminals include personal digital assistants.

49.   (original) The method of claim 1 wherein the speech terminals include computers.

50.   (original) The method of claim 1 wherein the network is the Internet.

51.   (currently amended) A method for conducting mobile communications, comprising:
       providing a communication server for a plurality of users, the server coupled to a corporate information system (CIS) in an organization via a first network, the communication server

including an interface to a telecommunications network for speech communication, and the CIS

including storage for corporate information including emails and servers including an email server;

      providing a plurality of speech terminals for a plurality of users, the speech terminals

coupled to the server ~~through a second network~~, the speech terminals accessing data in the CIS

through voice or digital signals;

      distributing calls to the speech terminals using an electronic attendant coupled to the

server; ~~through the first network; and~~

      storing, on the CIS, a user profile with all user-related information for use with the

communication server; and

      accessing the user profile ~~a user profile~~ every time a user logs onto the mobile

communication system using a speech terminal.

      52.   (previously presented) The method of claim 51 further comprising dynamically

associating a user with a speech terminal using data stored in the CIS.

      53.   (previously presented) The method of claim 51, wherein the user profile stores an

association between the user and a speech terminal.

      54.   (previously presented) The method of claim 51, wherein the user profile stores a

password.

      55.   (previously presented) The method of claim 51, wherein the user profile stores a PIN-

code.

      56.   (previously presented) The method of claim 51, wherein the user profile stores a user

preference.

      57.   (previously presented) The method of claim 51, wherein the user profile stores an

alternate login name.

      58.   (previously presented) The method of claim 51, further comprising updating the data

in the CIS using a speech terminal by a user or other users registered in the CIS.

59.   (previously presented) The method of claim 51, wherein the data includes contact information, e-mail messages, address information, and calendar.

60.   (previously presented) The method of claim 51, wherein the data includes information related to an organization's employees.

61.   (previously presented) The method of claim 51, wherein the CIS accesses the user profile when the user logs on to the mobile communications system using a speech terminal.

62.   (currently amended) A method for conducting mobile communications, comprising:

providing a server for a plurality of users, the server having an electronic attendant that greets users, an interface for speech communication and an interface to a telecommunications network, the server coupled to a corporate information system (CIS) in an organization via a first network, the CIS including storage for corporate information including emails and servers including an email server;

providing a plurality of speech terminals for a plurality of users, the speech terminals coupled to the server through a second network, the speech terminals accessing data in the CIS through voice or digital signals;

distributing calls to the speech terminals using an electronic attendant the electronic attendant coupled to the server through the first network;

providing a set of speech responses to a speech terminal;

asking outside users to record voicemail messages if the party being called is not reached;

recording the voicemail messages in the communication server;

transferring and storing all the recorded messages from the communication server to the CIS; and

caching information from the CIS on the communication server, whereby the communication server does not rely on user information databases of its own.

63.   (previously presented) The method of claim 62, wherein the set of responses dynamically change depending on the speech terminal.

65.   (previously presented) The method of claim 62, wherein the set of the responses to the speech terminal includes a recorded message.

65.   (previously presented) The method of claim 62, wherein the set of responses to the speech terminal is an on-the-fly translation of responses into sounds using text-to-speech technology.

66.   (currently amended) A method for conducting mobile communications, comprising:

providing a server for a plurality of users, the server having an electronic attendant that greets users, an interface for speech communication and an interface to a telecommunications network, coupled to a corporate information system (CIS) in an organization via a first network, the CIS including storage for corporate information including emails and servers including an email server;

providing a plurality of speech terminals for a plurality of users, the speech terminals coupled to the server through a second network, the speech terminals accessing data in the CIS through voice or digital signals; and

distributing calls to the speech terminals using an electronic attendant coupled to the server through the first network;

asking outside users to record voicemail messages if the party being called is not reached;

recording the voicemail messages in the communication server;

transferring and storing all the recorded messages from the communication server to the CIS; and

caching information from the CIS on the communication server, whereby the communication server does not rely on user information databases of its own;

wherein the speech terminals include multi-modal interfaces.

67.   (previously presented) The method of claim 66, wherein the multi-modal interfaces use at least two different forms of input from among text, keystrokes, or speech recognition.

68.   (previously presented) The method of claim 66, wherein the multi-modal interfaces present information to the user using a combination of at least two different forms of output, the different forms of output including sound, text, graphics, or video.

69.   (previously presented) The method of claim 68, wherein the sound is generated by text-to-speech technology.

70.   (previously presented) The method of claim 68, wherein the sound is generated by playing recorded files.

71.   (previously presented) The method of claim 68, wherein the sound is generated by a continuous stream of sound data sent to the multi-modal interfaces.

72.   (previously presented) The method of claim 68, wherein the video is generated by a continuous stream of video data sent to the multi-modal interfaces.

73.   (canceled) A method for conducting mobile communications, comprising:

providing a server for a plurality of users, the server coupled to a corporate information system (CIS) in an organization via a first network;

providing a plurality of speech terminals for a plurality of users, the speech terminals coupled to the server through a second network, and the speech terminals accessing data in the CIS through voice or digital signals;

distributing calls to the speech terminals using an electronic attendant coupled to the server through the first network; and

caching information from the CIS on the server.

74.   (canceled) The method of claim 73, including recording messages in the server.

75.   (canceled) The method of claim 74, including transferring the recorded messages to the CIS and storing the messages on the CIS.

76.   (canceled) The method of claim 73, including:

providing a plurality of servers coupled to the CIS; and

synchronizing user information among the plurality of servers using the CIS.

77. (canceled) The method of claim 73, wherein the server comprises a modular appliance.

78. (canceled) The method of claim 73, wherein the information cached from the CIS on the server comprises user information.

79. (canceled) The method of claim 73, wherein the information cached from the CIS on the server comprises contact information.

80. (canceled) The method of claim 73, wherein the information cached from the CIS on the server comprises address information.

81. (canceled) The method of claim 73, wherein the information cached from the CIS on the server comprises e-mails.

82. (canceled) The method of claim 73, wherein the information cached from the CIS on the server comprises information regarding parties that are defined as addressable parties.

83. (canceled) The method of claim 73, including accessing a user profile every time a user logs onto the mobile communication system using a speech terminal.

84. (canceled) The method of claim 83, including providing a set of speech responses to a speech terminal.

85. (canceled) The method of claim 73, including providing a set of speech responses to a speech terminal.

86. (currently amended) A method for conducting mobile communications, comprising:
    providing a <u>communication</u> server for a plurality of users, <u>the communication server having an electronic attendant that greets users, an interface for speech communication and an interface to a telecommunications network,</u> the server coupled to a corporate information system (CIS) in an organization ~~via a first network~~, <u>the CIS including storage for corporate information including emails and servers including an email server;</u>

providing a plurality of speech terminals for a plurality of users, the speech terminals coupled to the server through a second network, and the speech terminals accessing data in the CIS through voice or digital signals;

connecting to the server from a speech terminal and configuring the server through the speech terminal and an electronic attendant;

installing a software component related to the server on the CIS and configuring the CIS to use the software component; and

distributing calls to the speech terminals using the electronic attendant coupled to the server through the first network;

asking outside users to record voicemail messages if the party being called is not reached;

recording the voicemail messages in the communication server;

transferring and storing all the recorded messages from the communication server to the CIS; and

caching information from the CIS on the communication server, whereby the communication server does not rely on user information databases of its own.

87.   (previously presented) The method of claim 86, wherein configuring the CIS to use the software component includes storing configuration information specific to the server.

88.   (previously presented) The method of claim 86, wherein configuring the CIS to use the software component includes configuring accounts and changing permissions and storing configuration information specific to the server.

89.   (previously presented) The method of claim 86, wherein the server comprises a modular appliance.

90.   (previously presented) The method of claim 86, including caching information from the CIS on the server.

91.   (new) The method of claim 86, wherein the CIS uses the software component to configure accounts.

92.   (new) The method of claim 86, wherein the CIS uses the software component to change permissions.